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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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June 4, 2007

Ms. Shirley J. Olinger, Acting Manager
Office of River Protection
United States Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

Mr. William S. Elkins, Project Director
Bechtel National, Inc.
2435 Stevens Center Place, MSIN: H4-02
Richland, Washington 99354

Re: Submittal of Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit Modification Notification Form 24590-PTF-PCN-ENV-06-012, Class 1 Modification to the Dangerous Waste Portion of the Hanford Facility RCRA Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Operating Unit 10 and Attachment 51, Waste Treatment and Immobilization Plant WA7890008967

Dear Ms. Olinger and Mr. Elkins:

The Department of Ecology approves the referenced Class 1 Modification submitted April 19, 2007. The approved Hanford Facility RCRA Permit Modification Notification Form is enclosed.

0072716

Modification 24590-PTF-PCN-ENV-06-012 provides the updated Mechanical Data Sheet (24590-PTF-MKD-PVP-P002, Revision 2) for the Pretreatment Facility Vessel Vent Caustic Scrubber (PVP-SCB-00002). In addition to the changes listed on the Hanford Facility RCRA Permit Modification Notification Form, the hydrostatic pressure test was deleted and equipment cyclic data was added.

If there are any questions, contact me at 509-372-7882 or Robbie Biyani at 509-372-7884.

Sincerely,

Brenda Becker-Khaleel
WTP Lead Permit Writer
Nuclear Waste Program

aah:jc
Enclosure

cc: See next page

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Ms. Olinger and Mr. Elkins

June 4, 2007

Page 2

cc electronic w/enc:

John Eschenberg, USDOE

Lori Huffman, USDOE

Tony McKarns, USDOE

Gae Neath, USDOE

Don Sommer, USDOE

William Taylor, USDOE

Julie Atwood, BNI

Brad Erlandson, BNI

Peggy Fisher, BNI

Stan Hill, BNI

Dennis Klein, BNI

Sandi Murdock, BNI

Phil Peistrup, WGI

cc w/enc:

H-0-8
Administrative Record: Tank Waste Treatment Requirements

Environmental Portal

USDOE-ORP Correspondence Control

Quarter Ending March 31, 2007

24590-PTF-PCN-ENV-06-012

Hanford Facility RCRA Permit Modification Notification Form

Unit:

Waste Treatment and Immobilization Plant

Permit Part & Chapter:

Part III, Chapter 10 and Attachment 51Description of Modification:

The purpose of this modification is to update PTF Mechanical Data Sheet for the Pretreatment Facility Vessel Vent Caustic Scrubber (PVP-SCB-00002) currently located in Appendix 8.6 of the Dangerous Waste Permit (DWP).

The following are the major changes to the above mentioned Mechanical Data Sheet:

- Quantified volume and seismic base moment in *Service Data*
- Revised diameter(s), height, and hydrostatic test pressure in *Design Data*
- Added fatigue and cyclic blocks in *Design Data*
- Quantified weight in *Miscellaneous Data*
- Deleted notes 1 and 2 in *Notes* block
- Corrected 3rd bullet in note 4 of *Notes for Outline Profile of the PTF Vessel Vent Caustic Scrubber* to reference note 7 instead of note 4
- Added bullets 2 through 6 to note 5 in *Notes for Outline Profile of the PTF Vessel Vent Caustic Scrubber*
- Added to note N03 "Dip pipe" (note 7 of *Notes for Outline Profile of the PTF Vessel Vent Caustic Scrubber*)
- Nozzle N13 on scrubber out line moved to correct location on figure *Outline Profile of the PTF Vessel Vent Caustic Scrubber*
- Specified low/normal liquid levels, low/normal pH, normal density, packed section normal pressure drop, nozzle N06 normal flow rate, dry packing normal pressure drop, nozzle N07 normal flow rate, and outlet offgas NO₂, NO, and CO₂ concentrations to the *Outline Profile of the PTF Vessel Vent Caustic Scrubber* data table

Please note that the following was previously approved under modification numbers indicated, but is not currently reflected in Appendix 8.6 of the DWP:

- 24590-PTF-MKD-PVP-P0002, Rev. 1 approved under modification 24590-PTF-PCN-ENV-05-011, Rev. 1, on January 6, 2006.

Appendix 8.6

Replace: 24590-PTF-MKD-PVP-P0002, Rev 0


With: 24590-PTF-MKD-PVP-P0002, Rev 2

¹ Class 1 modifications requiring prior Agency approval.

² If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to a Class '1, if applicable.

Quarter Ending March 31, 2007

24590-PTF-PCN-ENV-06-012

WAC 173-303-830 Modification Class: ¹²	Class 1	Class ¹ 1	Class 2	Class 3
Please mark the Modification Class:	X			
Enter Relevant WAC 173-303-830, Appendix I Modification citation number: A.3				
Enter wording of WAC 173-303-830, Appendix I Modification citation: A.3 General Permit Provisions, Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls)				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)		Reviewed by Ecology:		
Reason for denial:		 S. Dahl		
		6/4/07 Date		